



Declaration of Performance

THORHELICAL®

DoP No. RWT8-09/230531

- Product Type:** Symmetrical Cavity Wall Tie
- Identification:** **Thor Helical Retrofit Wall Tie - 8mm**
- Intended Use:** Type 2 wall tie for connecting two leaves of a masonry cavity wall.
- Manufacturer:** Product Licensing Co Ltd t/a Thor Helical
KKM Buildings, Old Reservoir Road, Portsmouth PO6 1SU
- Authorised Representative** N/A
- System of Assessment (UK):** 3
System of Assessment (EU): 4, as per Article 37 of Regulation (EU) No 305/2011
- Technical Specifications:** EN 845-1: 2013 +A1:2016
Test Method: EN 846-6: 2012
Technical Assessment (UK): Lucideon Ltd (UK Approved Body No. 1289)
Technical Assessment (EU): Product Licensing Co Ltd t/a Thor Helical

9. Declared Performance

| Substrate | Masonry Strength (N/mm ²) | Pilot Hole Diameter (mm) | Embedment Depth (mm) | Cavity Width (mm) | Mean Load Capacity (N) | | Mean Displacement at 1/3 rd of Mean Load (mm) | |
|--------------|---------------------------------------|--------------------------|----------------------|-------------------|------------------------|-------------|--|-------------|
| | | | | | Tension | Compression | Tension | Compression |
| Common Brick | 30 | 6 | 70 | 180 | 2340 | 1390 | 0.78 | 0.37 |

Essential Characteristics

| | |
|----------------------------|---|
| Water Shedding Capability: | Resistant |
| Durability: | Material reference 3, Stainless Steel 1.4301/1.4401 |
| Dangerous Substances: | None |

Due to the variable nature and progressive deterioration of masonry, we recommend on-site testing to establish project specific load capacities.

10. Declaration

The performance of the products identified in points 1. & 2. is in conformity with the declared performance in point 9.
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer on 31st May 2023 by:

David J Chadwick
(Director)